BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

No.BBMP/EE/DD/Ten/01/2015-16, Date:04.01.2016 Indent No.20568

SCHEDULE-B

NAME OF WORK: Drilling of 7 number of borewell and fixing of pump, motor and necessary accessories at shetty halli & abbigere in different location in ward no.12 shetty halli sub division.

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor R SHIVARAM		
				In Figures (Rs.)	In Words (Rs.)	Cont. AMOUNT
1	2	3	4	5	6	7
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommended depth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engaging technical person and labour etc.,Complete as per Specification, and as per direction of Engineer-incharge.	Each	7	1764.0	Rupees One Thousand Seven Hundred Sixty Four Only	12348.00
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) Complete as per Specification, and as per direction of Engineer-incharge. A. 0.00 to 50.00 Mtr.	Mtr	350	287.0	Rupees Two Hundred Eighty Seven Only	100450.00
3	50.00 to 100.00 Mtr.	Mtr	350	375.0	Rupees Three Hundred Seventy Five Only	131250.00
4	100.00 to 150.00 Mtr.	Mtr	350	417.0	Rupees Four Hundred Seventeen Only	145950.00

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5	150.00 to 200.00 Mtr.	Mtr	350	441.0	Rupees Four Hundred Forty One Only	154350.00
6	200.00 to 250.00 Mtr.	Mtr	350	510.0	Rupees Five Hundred Ten Only	178500.00
7	250.00 to 300.00 Mtr.	Mtr	350	547.0	Rupees Five Hundred Forty Seven Only	191450.00
8	300.00 to 350.00 Mtr.	Mtr	350	583.0	Rupees Five Hundred Eighty Three Only	204050.00
9	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open earth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) Complete as per Specification, and as per direction of Engineer-incharge.	Rmt	280	1242.0	Rupees One Thousand Two Hundred Forty Two Only	347760.00
10	Additional rate on item No. 2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.306 is allowed Complete as per Specification, and as per direction of Engineer-incharge.	Mtr	70	47.0	Rupees Forty Seven Only	3290.00
11	Providing 175 mm dia MS Collar Complete as per Specification, and as per direction of Engineer-incharge.	Each	70	141.0	Rupees One Hundred Forty One Only	9870.00
12	Providing 175 mm dia MS Cap Complete as per Specification, and as per direction of Engineer-incharge.	Each	7	94.0	Rupees Ninety Four Only	658.00

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13	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm di(Borewells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings 15HP 30 stage Kirloskar, Atlanta, Suguna, CRI & other equipment pump Complete as per Specification, and as per direction of Engineer-incharge.	No	7	66153.0	Rupees Sixty Six Thousand One Hundred Fifty Three Only	463071.00
14	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts Complete as per Specification, and as per direction of Engineer-incharge.	Mtr	2170	150.0	Rupees One Hundred Fifty Only	325500.00
15	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specification, and as per direction of Engineer-incharge.	NO	7	1073.0	Rupees One Thousand Seventy Three Only	7511.00
16	Supplying and fixing 50mm GM Gate Vavle Complete as per Specification, and as per direction of Engineer-incharge.	NO	7	1125.0	Rupees One Thousand One Hundred Twenty Five Only	7875.00
17	Supplying and fixing 175mm Borewell cap with clampset Complete as per Specification, and as per direction of Engineer-incharge.	No	7	94.0	Rupees Ninety Four Only	658.00
18	Supplying and fixing 50mm GI Union Complete as per Specification, and as per direction of Engineer-incharge.	nos	7	210.0	Rupees Two Hundred Ten Only	1470.00
19	Supplying and fixing 50mm GI Elbow Complete as per Specification, and as per direction of Engineer-incharge.	nos	21	105.0	Rupees One Hundred Five Only	2205.00
20	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply and delivary of cause heavy duty, Complete as per Specification, and as per direction of Engineer-incharge.	Mtr	2030	487.0	Rupees Four Hundred Eighty Seven Only	988610.00

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21	Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps, Complete as per Specification, and as per direction of Engineer-incharge.	nos	7	1237.0	Rupees One Thousand Two Hundred Thirty Seven Only	8659.00
22	Supplying and fixing 500x500x65mm polished wood board made up not less than 15mm thick plank in front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts, Complete as per Specification, and as per direction of Engineer-incharge.	nos	7	284.0	Rupees Two Hundred Eighty Four Only	1988.00
23	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B', Complete as per Specification, and as per direction of Engineer-incharge.	nos	7	361.0	Rupees Three Hundred Sixty One Only	2527.00
24	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring) 7/20 or 7/36 copper wire, Complete as per Specification, and as per direction of Engineer-incharge.	Mtr	70	26.0	Rupees Twenty Six Only	1820.00
25	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR Capacity,Complete as per Specification, and as per direction of Engineer-incharge.	nos	7	361.0	Rupees Three Hundred Sixty One Only	2527.00
26	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required), Complete as per Specification, and as per direction of Engineer-incharge.	nos	7	413.0	Rupees Four Hundred Thirteen Only	2891.00
27	Supplying, fixing, wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia Complete as per Specification, and as per direction of Engineer-incharge.	nos	7	1550.0	Rupees One Thousand Five Hundred Fifty Only	10850.00
28	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole. Complete as per Specification, and as per direction of Engineer-incharge.	nos	70	228.0	Rupees Two Hundred Twenty Eight Only	15960.00

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29	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm. Complete as per Sp ification, and as per direction of Engineer-incharge.	Mtr	210	156.0	Rupees One Hundred Fifty Six Only	32760.00
30	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required, Complete as per Specification, and as per direction of Engineer-incharge.	Mtr	210	5.0	Rupees Five Only	1050.00
31	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., Complete as per Specification, and as per direction of Engineer-incharge.	Mtr	105	42.0	Rupees Forty Two Only	4410.00
32	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc., Complete as per Specification, and as per direction of Engineer-incharge.	nos	7	249.0	Rupees Two Hundred Forty Nine Only	1743.00
33	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., Complete as per Specification, and as per direction of Engineer-incharge.	nos	42	218.0	Rupees Two Hundred Eighteen Only	9156.00
34	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road. Complete as per Specification, and as per direction of Engineer-incharge.	Cum	176.4	293.0	Rupees Two Hundred Ninety Three Only	51685.20
35	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods Complete as per Specification, and as per direction of Engineer-incharge.	Cum	1102.5	244.0	Rupees Two Hundred Forty Four Only	269010.00

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36	Providing and installing at site of work P.V.C pipes including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., PVC pipes of 6kg/Sqm 75mm Dia, Complete as per Specification, and as per direction of Engineer-incharge.	Rmt	2450	116.0	Rupees One Hundred Sixteen Only	284200.00
37	Supplying and fixing 50 mm GI pipes 'B' class heavy duty (As PER bwssb Store Issued Rate) Note:- GI Pipe using for Road crossing places. Complete as per Specification, and as per direction of Engineer-incharge.	Mtr	70	198.0	Rupees One Hundred Ninety Eight Only	13860.00
38	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour Complete as per Specification, and as per direction of Engineer-incharge.	Cum	1102.5	57.0	Rupees Fifty Seven Only	62842.50
					Total	4054764.70
					Percentage	-6.14%

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Executive Engineer,
Dasarahalli Division,

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